

ABSTRACT OF THE DISCLOSURE

An apparatus for analyzing a sample of biologic fluid quiescently residing within a chamber is provided. The apparatus includes a light source, a positioner, a mechanism for determining the volume of a sample field, and an image dissector. The light source is operable
5 to illuminate a sample field of known, or ascertainable, area. The positioner is operable to selectively change the position of one of the chamber or the light source relative to the other, thereby permitting selective illumination of all regions of the sample. The mechanism for determining the volume of a sample field can determine the volume of a sample field illuminated by the light source. The image dissector is operable to convert an image of light
10 passing through or emanating from the sample field into an electronic data format.